

CLAIM AMENDMENTS

1                   1. (currently amended) A motor-vehicle antenna  
2 comprising:  
3                   a monopole formed by a rigid circuit-board having a  
4 conductive trace;  
5                   means including a socket for connecting a coaxial cable  
6 to the monopole; and  
7                   a ground plane formed of rigid sheet metal or a circuit  
8 board, formed with an edge flange, and fixed to the monopole.

1                   2. (original) The motor-vehicle antenna defined in  
2 claim 1 wherein the monopole and the ground plane are permanently  
3 bonded together.

3. (canceled)

1                   4. (currently amended) The motor-vehicle antenna  
2 defined in claim [[3]] 1 wherein the monopole is fixed to the edge  
3 flange.

1                   5. (original) The motor-vehicle antenna defined in  
2 claim 1 wherein both the ground plane and monopole are  
3 substantially planar and extend generally perpendicular to each  
4 other.

1           6. (currently amended) ~~The motor-vehicle antenna defined~~  
2 ~~in claim 1 wherein the socket includes~~ A motor-vehicle antenna  
3 comprising:

4           a monopole formed by a rigid circuit-board having a  
5 conductive trace;

6           means including a socket having jaws crimpable to the  
7 coaxial cable for connecting a coaxial cable to the monopole; and

8           a ground plane formed of rigid sheet metal or a circuit  
9 board and fixed to the monopole.

1           7. (original) The motor-vehicle antenna defined in  
2 claim 6 wherein the socket is fixed to the monopole or to the  
3 ground plane.

1           8. (original) The motor-vehicle antenna defined in  
2 claim 6 wherein the ground plane is made of sheet metal and the  
3 socket is unitarily formed with the ground plane.

1           9. (currently amended) ~~The motor-vehicle antenna defined~~  
2 ~~in claim 1, further comprising~~ A motor-vehicle antenna comprising:

3           a monopole formed by a rigid circuit-board having a  
4 conductive trace;

5           means including a socket for connecting a coaxial cable  
6 to the monopole;

7           a ground plane formed of rigid sheet metal or a circuit  
8 board and fixed to the monopole; and

9           a splitter having a pair of inputs connectable via  
10   respective coaxial cables to two such monopoles and an output  
11   connectable to a receiver.

1           10. (currently amended) ~~The motor-vehicle antenna~~  
2   ~~defined in claim 1, further comprising~~ A motor-vehicle antenna  
3   comprising:

4           a monopole formed by a rigid circuit-board having a  
5   conductive trace;

6           means including a socket for connecting a coaxial cable  
7   to the monopole;

8           a ground plane formed of rigid sheet metal or a circuit  
9   board and fixed to the monopole; and

10          a splitter having a pair of outputs connectable via  
11   respective coaxial cables to two such monopoles and an input  
12   connectable to a transmitter.

1           11. (currently amended) ~~The motor-vehicle antenna~~  
2 ~~defined in claim 1, further comprising~~ A motor-vehicle antenna  
3 comprising:

4           a monopole formed by a rigid circuit-board having a  
5 conductive trace;

6           means including a socket for connecting a coaxial cable  
7 to the monopole;

8           a ground plane formed of rigid sheet metal or a circuit  
9 board and fixed to the monopole; and

10          a splitter having a printed-circuit board and two sockets  
11 connectable via respective coaxial cables to two such monopoles and  
12 another socket connectable to transmitter or receiver.

1           12. (original) The motor-vehicle antenna defined in  
2 claim 11 wherein the splitter further comprises

3           a housing holding the printed-circuit board of the  
4 splitter.

1           13. (original) A motor-vehicle antenna comprising:

2           a monopole formed by a rigid circuit-board having a  
3 conductive trace;

4           means including a socket for connecting a coaxial cable  
5 to the monopole; and

6           a ground plane formed of rigid sheet metal, having an  
7 edge flange fixed to the monopole, and extending generally  
8 perpendicular to the monopole.

1           14. (original) The motor-vehicle antenna defined in  
2 claim 13 wherein the flange is formed with a slot into which the  
3 board is set.

1           15. (original) The motor-vehicle antenna defined in  
2 claim 13 wherein the flange is unitarily formed with the socket.